Approved For Release 2008/11/18 : CIA-RDP78B03826A000400090011-0

TOP SECRET RUFF

OUT: 72410

R 2823402

[redacted] 25X1

CNO
ZEM
T O P S E-C R E T TTTTT RUFF [redacted] 25X1
CITE CIA/IAS 1014

1. ANALYSIS OF OLD HEAD PHOTOGRAPHY, DATED 12 MAY 1971, REVEALS A NEW HF (HIGH FREQUENCY) PROBABLE COMMUNICATIONS ANTENNA AT THE BAUTA INTERNATIONAL RADIO BROADCASTING AND TRANSMITTING STATION LOCATED 15 NM SOUTHWEST OF HAVANA, CUBA AT 22-57-00N 082-32-44W.

2. THE ANTENNA CONSISTS OF A LARGE, SQUARE SELF-SUPPORTING TOWER THAT MEASURES APPROXIMATELY 40 FEET ON A SIDE AND APPROXIMATELY 280 FEET HIGH. EIGHT BROADBAND SHUNTED DIPOLE ELEMENTS ARE POSITIONED VERTICALLY ON EACH OF TWO SIDES AND POSSIBLY A THIRD SIDE OF THE TOWER. THE ANTENNA ELEMENTS APPEAR TO BE ARRANGED IN TWO BANKS OF FOUR EACH. THE DIPOLE ELEMENTS ARE APPROXIMATELY 40 FEET LONG. EACH HALF IS [redacted] SEPARATION BETWEEN THE 25X1
HALVES. THE VERTICAL SPACING BETWEEN EACH DIPOLE IS APPROXIMATELY 25 FEET WITH A 50-FOOT SEPARATION BETWEEN THE FOURTH AND FIFTH DIPOLE. THE BOTTOM DIPOLE IS APPROXIMATELY 100 FEET ABOVE GROUND. THESE DIPOLE ANTENNAS, ALTHOUGH SMALLER, ARE SIMILAR IN APPEARANCE TO THOSE OF THE OTH RADAR AT NIKOLAYEV, USSR. THE ORIENTATIONS OF EACH SIDE OF THE TOWER [redacted] ADDITIONAL ANTENNA SUPPORT 25X1
BRACES ARE ON THE GROUND NEAR THE TOWER BASE AND ARE PROBABLY INTENDED FOR THE FORTH SIDE OF THE TOWER.

3. THE TOWER FOOTINGS WERE FIRST SEEN UNDER CONSTRUCTION IN JANUARY 1970 AND CAN BE NEGATED IN JULY 1969. TWO OF THE ANTENNA ELEMENTS WERE FIRST NOTED ON THE GROUND IN APRIL 1971. BY MAY 1971, ANTENNA ELEMENTS WERE PRESENT ON AT LEAST TWO SIDES OF THE TOWER.

[redacted] 25X1

T O P S E C R E TU RUFF

END OF MESSAGE

GROUP ONE

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TOP SECRET RUFF

[redacted] 25X1

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